MOLECULAR AND CELLULAR ENDOCRINOLOGY

Volume 142, Nos. 1–2 July 25th 1998

Cited in Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Current Contents / Life Sciences; EMBASE/Excerpta Medica; Index Medicus; Informedicus; Pascal M

CONTENTS

At The Cutting Edge
G protein abnormalities in pituitary adenomas
A. Spada, A. Lania, E. Ballarè (Italy) 1

Research papers
Antioxidant-sensitive shortening of ventricular action potential in hyperthyroid rats is independent of lipid peroxidation
P. Venditti, T. De Leo, S. Di Meo (Italy) 15
Moderate protein restriction during pregnancy modifies the regulation of triacylglycerol turnover and leads to dysregulation of insulin's anti-lipolytic action
M.J. Holness, L.G.D. Fryer, D.A. Priestman, M.C. Sugden (UK) 25
A new tool for efficient transfection of dog and human thyrocytes in primary culture
N. Uyttersprot, S. Costagliola, F. Miot (Belgium) 35
Impaired glucose-stimulated insulin release in islets from adult rats malnourished during foetal-neonatal life
M.R. Wilson, S.J. Hughes (UK) 41
1,25-Dihydroxyvitamin D_3 enhances degranulation of mast cells
M. Shalita-Chesner, R. Koren, Y.A. Mekori, D. Baram, C. Rotem, U.A. Liberman, A. Ravid (Israel) 49
Action of $1,25(OH)_2D_3$ on the cell cycle genes, cyclin D1, p21 and p27 in MCF-7 cells
L. Verlinden, A. Verstuyf, R. Convents, S. Marcelis, M. Van Camp, R. Bouillon (Belgium) 57
Placental iodothyronine deiodinase III and II ratios, mRNA expression compared to enzyme activity
M.R. Stulp, J.J.M. de Vijlder, C. Ris-Stalpers (The Netherlands) 67
β2 adrenergic receptors mediate cAMP, tissue-type plasminogen activator and transferrin production in rat Sertoli cells
C. Troispoux, E. Reiter, Y. Combarnous, F. Guillou (France) 75
Heterotrimeric G-protein candidates for Ge in the ACTH secretory pathway
R. Erlich, B.W. McFerran, D.M. Felstead, S.B. Guild (UK) 87
GnRH signalling pathways and GnRH-induced homologous desensitization in a gonadotrope cell line (αT3-1)
B. Poulin, N. Rich, J.-L. Mas, C. Kordon, A. Enjalbert, S.V. Drouva (France) 99
The molecular characterisation of chicken pituitary N-terminal pro-opiomelanocortin (POMC)
L.R. Berghman, B. Devreese, P. Verhaert, H. Gerets, L. Arckens, J. Vanden Broeck, J. Van Beeumen, H. Vaudry, F. Vandesande (Belgium, France) 119
Differential RNA display identifies novel genes associated with decreased vitamin D receptor expression
M. Dabrowski, E. Robinson, S. V. Hughes, R. Bland, M. Hewison (UK, Poland) 131
Functional interactions of an upstream enhancer of the mouse glycoprotein hormone α-subunit gene with proximal promoter sequences
W.M. Wood, J.M. Dowding, V.D. Sarapura, M.T. McDermott, D.F. Gordon, E.C. Ridgway (USA) 141

(Contents continued on inside back cover)

CONTENTS DIRECT

ContentsDirect, the *free* e-mail alerting service, delivers the table of contents for this journal directly to your PC, prior to publication. The quickest way to register for **ContentsDirect** is via the Internet at: **http://www.elsevier.nl/locate/ContentsDirect**. If you don't have access to the internet you can register for this service by sending an e-mail message to edsubs@elsevier.co.uk—specifying the title of the publication you wish to register for.

0303-7207(19980725)142:1:2;1-6

08040

MOLECULAR AND CELLULAR ENDOCRINOLOGY

Subscription Information: *Molecular and Cellular Endocrinology* (ISSN 0303-7207). For 1998 vols. 137–147 are scheduled for publication. Subscription prices are available upon request from the Publisher. Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by surface mail except to the following countries where air delivery via SAL mail is ensured: Argentina, Australia, Brazil, Canada, Hong Kong, India, Israel, Japan, Malaysia, Mexico, New Zealand, Pakistan, PR China, Singapore, South Africa, South Korea, Taiwan, Thailand, USA. For all other countries airmail rates are available upon request. Claims for missing issues should be made within six months of our publication (mailing) date.

Orders, claims and product enquiries: please contact the Customer Support Department at the Regional Sales Office nearest you:

New York
Elsevier Science
P.O. Box 945
New York, NY 10159-0945
USA
Tel. (+1)212-633-3730
[Toll free number for North American customers: 1-888-4ES-INFO (437-4636)]
Fax (+1)212-633-3680
e-mail usinfo-f@elsevier.com

Amsterdam
Elsevier Science
P.O. Box 211
1000 AE Amsterdam
The Netherlands
Tel. (+31)20-4853757
Fax (+31)20-4853432
e-mail nlinfo-f@elsevier.nl

Tokyo
Elsevier Science
9-15 Higashi-Azabu 1-chome
Minato-ku, Tokyo 106
Japan
Tel. (+81)3-5561-5033
Fax (+81)3-5561-5047
e-mail info@elsevier.co.jp

Singapore
Elsevier Science
No. 1 Temasek Avenue
#17-01 Millenia Tower
Singapore 039192
Tel. (+65)434-3727
Fax (+65)337-2230
e-mail asiainfo@elsevier.com.sg

Information for Advertisers: Advertising orders and enquiries can be sent to the following: **International:** Elsevier Science, Advertising Department, The Boulevard, Langford Lane, Kidlington, Oxford, OX5 1GB, UK; Tel: (+44) (0) 1865 843565; Fax: (+44) (0) 1865 843976. **USA & Canada:** Elsevier Science Inc., Mr. Tino DeCarlo, 655 Avenue of the Americas, New York, NY 10010-5107, USA; Tel: (212) 633 3815; Fax: (212) 633 3820; E-mail: t.decarlo@elsevier.com. **Japan:** Elsevier Science Japan, Marketing Services, 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106, Japan; Tel: (+81) 3 5561 5033; Fax: (+81) 3 5561 5047.

If you need information about the journal, you can find all details (including full "Notes to Authors") on the World Wide Web: access under http://www.elsevier.nl/locate/mce or http://www.elsevier.com/locate/mce

(Contents continued from outside back cover)

Ovarian immune cells express granulocyte-macrophage colony-stimulating factor (GM-CSF) during follicular growth and luteinization in gonadotropin-primed immature rodents
K. Tamura, H. Tamura, K. Kumasaka, A. Miyajima, T. Suga, H. Kogo (Japan) 153

The unique exon 10 of the human luteinizing hormone receptor is necessary for expression of the receptor protein at the plasma membrane in the human luteinizing hormone receptor, but deleterious when inserted into the human follicle-stimulating hormone receptor
F.-P. Zhang, J. Kero, I. Huhtaniemi (Finland) 165

An ACTH-producing small cell lung cancer expresses aberrant glucocorticoid receptor transcripts from a normal gene
L.L. Parks, M.K. Turney, S. Detera-Wadleigh, W.J. Kovacs (USA) 175

Role of TNF receptor 1 in protein turnover during cancer cachexia using gene knockout mice
M. Llovera, C. García-Martínez, J. López-Soriano, N. Carbó, N. Agell, F.J. López-Soriano, J.M. Argiles (Spain) 183

Procorticotrophin-releasing hormone: endoproteolytic processing and differential release of its derived peptides within AtT20 cells
M.J. Perone, C.A. Murray, O.A. Brown, S. Gibson, A. White, E.A. Linton, A.V. Perkins, P.R. Lowenstein, M.G. Castro (UK) 191

Bisphenol A interacts with the estrogen receptor α in a distinct manner from estradiol
J.C. Gould, L.S. Leonard, S.C. Maness, B.L. Wagner, K. Conner, T. Zacharewski, S. Safe, D.P. McDonnell, K.W. Gaido (USA) 203

Errata 215

Calendar 219

Notes to Authors

PRINTED IN IRELAND